

We claim:

1. A machine-readable medium having instructions stored thereon for execution by a processor to implement a computer program providing a language model service shareable among handlers for input devices, comprising:

5 a pre-processing mode of operation in which the language model service is designed to receive a range within a document from a handler for an input device and in response provide to the handler advice regarding text under consideration by the handler to insert within the document at the range, based on the context of the document within the range; and,

10 a correction mode of operation in which the language model service is designed to supervise correction over a range of text within a document in which a number of different handlers for a number of different input devices were initially responsible for insertion of the text, such that the language model service solicits suggestions from the different handlers and based thereon determines text corrections.

15 2. The medium of claim 1, wherein the advice provided by the language model service to the handler for the input device in the pre-processing mode of operation comprises a best path through a lattice maintained by the language model service.

3. The medium of claim 1, wherein the text corrections determined by the language model service in the correction mode of operation are made by the language model  
20 service itself.

4. The medium of claim 1, wherein the text corrections determined by the language model service in the correction mode of operation are returned to the different handlers such that the different handlers are requested to make the text corrections themselves.

5. The medium of claim 1, wherein the suggestions solicited by the language model service from the different handlers in the correction mode of operation comprise paths through lattices maintained by the different handlers.

6. The medium of claim 1, wherein the language model service interacts with a common text framework to access the document.

7. The medium of claim 6, wherein the language model service accesses the document through an abstraction of the document exposed by an owning application via the common text framework.

8. A machine-readable medium having instructions stored thereon for execution by a processor to implement a computer program providing a language model service shareable among handlers for input devices, comprising:

15 a pre-processing mode of operation in which the language model service is designed to receive from a handler for an input device a range within a document of an owning application, access to which is through an abstraction thereof as exposed by the owning application via a common text framework, and in response provide to the handler advice regarding text under consideration by the handler to insert within the document at the  
20 range, based on the context of the document within the range; and,

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a correction mode of operation in which the language model service is designed to supervise correction over a range of text within a document in which a number of different handlers for a number of different input devices were initially responsible for insertion of the text, such that the language model service solicits suggestions from the different handlers and based thereon determines text corrections.

9. The medium of claim 8, wherein the text corrections determined by the language model service in the correction mode of operation are made by the language model service itself via the common text framework through the abstraction of the document exposed by the owning application.

10 10. The medium of claim 8, wherein the text corrections determined by the language model service in the correction mode of operation are returned to the different handlers such that the different handlers are requested to make the text corrections themselves, such that the different handlers make the text corrections via the common text framework through the abstraction of the document exposed by the owning application.

15 11. A computer-implemented method comprising:

receiving by a language model service in a pre-processing mode of operation a range within a document from a handler for an input device;

generating by the language model service advice regarding text under consideration by the handler to insert within the document at the range;

20 providing by the language model service the advice to the handler.

12. The method of claim 11, further comprising:

determining by the handler the text under consideration to insert within the document at the range based on the advice provided by the language model service; and,

inserting by the handler the text under consideration within the document at the range.

5 13. The method of claim 12, wherein inserting by the handler the text under consideration within the document at the range comprises so inserting the text at the range via a common text framework through an abstraction of the document as exposed by an owning application thereof via the common text framework.

10 14. The method of claim 11, wherein providing by the language model service the advice to the handler comprises accessing text within the range of the document via a common text framework through an abstraction of the document as exposed by an owning application thereof via the common text framework.

15 15. The method of claim 11, wherein the advice provided by the language model service to the handler for the input device in the pre-processing mode of operation comprises a best path through a lattice maintained by the language model service.

16. A computer-implemented method comprising:

soliciting suggestions over a range of text within a document by a language model service in a correction mode of operation in which a number of different handlers for a number of different input devices were initially responsible for insertion of the text;

20 receiving the suggestions by the language model service from the different handlers;

and,

determining corrections to the text by the language model service based on the suggestions received from the different handlers.

17. The method of claim 16, further comprising making the corrections by the language  
5 model service itself.

18. The method of claim 17, wherein the corrections are made by the language model service via a common text framework through an abstraction of the document as exposed by an owning application via the common text framework.

19. The method of claim 16, further comprising:

10 receiving the corrections by the different handlers from the language model service;  
and,  
making the corrections by the different handlers themselves.

20. The method of claim 19, wherein the corrections are made by the language model service via a common text framework through an abstraction of the document as exposed  
15 by an owning application via the common text framework.

21. The method of claim 16, wherein access to the range of text of the document by the language model service and the different handlers is through an abstraction thereof as exposed by an owning application via a common text framework.

22. The method of claim 16, wherein the suggestions solicited by the language model service from the different handlers comprise paths through lattices maintained by the different handlers.

23. A computerized system comprising:

5 a plurality of handlers, each handler for an input device and able to enter text into a document; and,

a language model service shareable among the plurality of handlers, comprising:

10 a pre-processing mode of operation in which the language model service is designed to receive a range within the document from a handler and in response provide to the handler advice regarding text under consideration by the handler to insert within the document at the range, based on the context of the document within the range; and,

15 a correction mode of operation in which the language model service is designed to supervise correction over a range of text within a document in which more than one of the plurality of handlers were initially responsible for insertion of the text, such that the language model service solicits suggestions from the more than one of the plurality of handlers and based thereon determines text corrections,

such that the text corrections determined by the language model service in the correction mode of operation are made to the text by one of: the language model service and the more than one of the plurality of handlers.

20 24. The system of claim 23, wherein the plurality of handlers and the language model service interacts with a common text framework to access the document.

25. The system of claim 24, wherein the plurality of handlers and the language model service accesses the document through an abstraction of the document exposed by an owning application via the common text framework.

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